

Source Control Proposed Plan

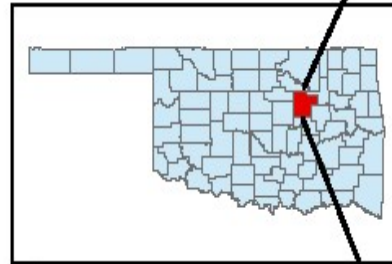
WILCOX OIL COMPANY, BRISTOW, OK

BRIEFING JANUARY 24, 2018

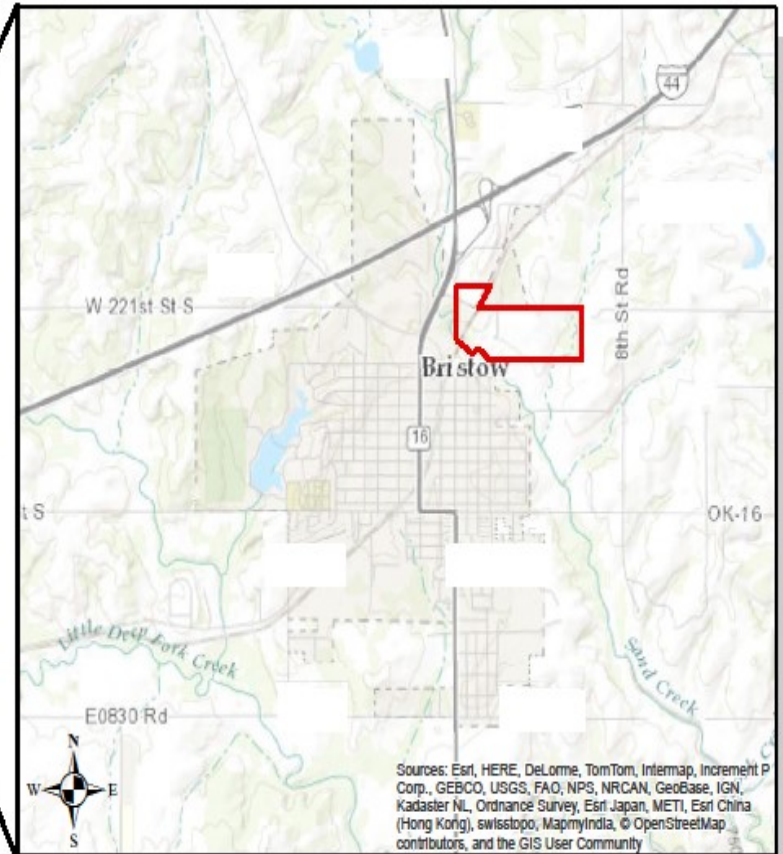


Site Location

The Site is situated NE of Bristow, Creek County, Oklahoma



Wilcox Oil Company Superfund Site Bristow, OK



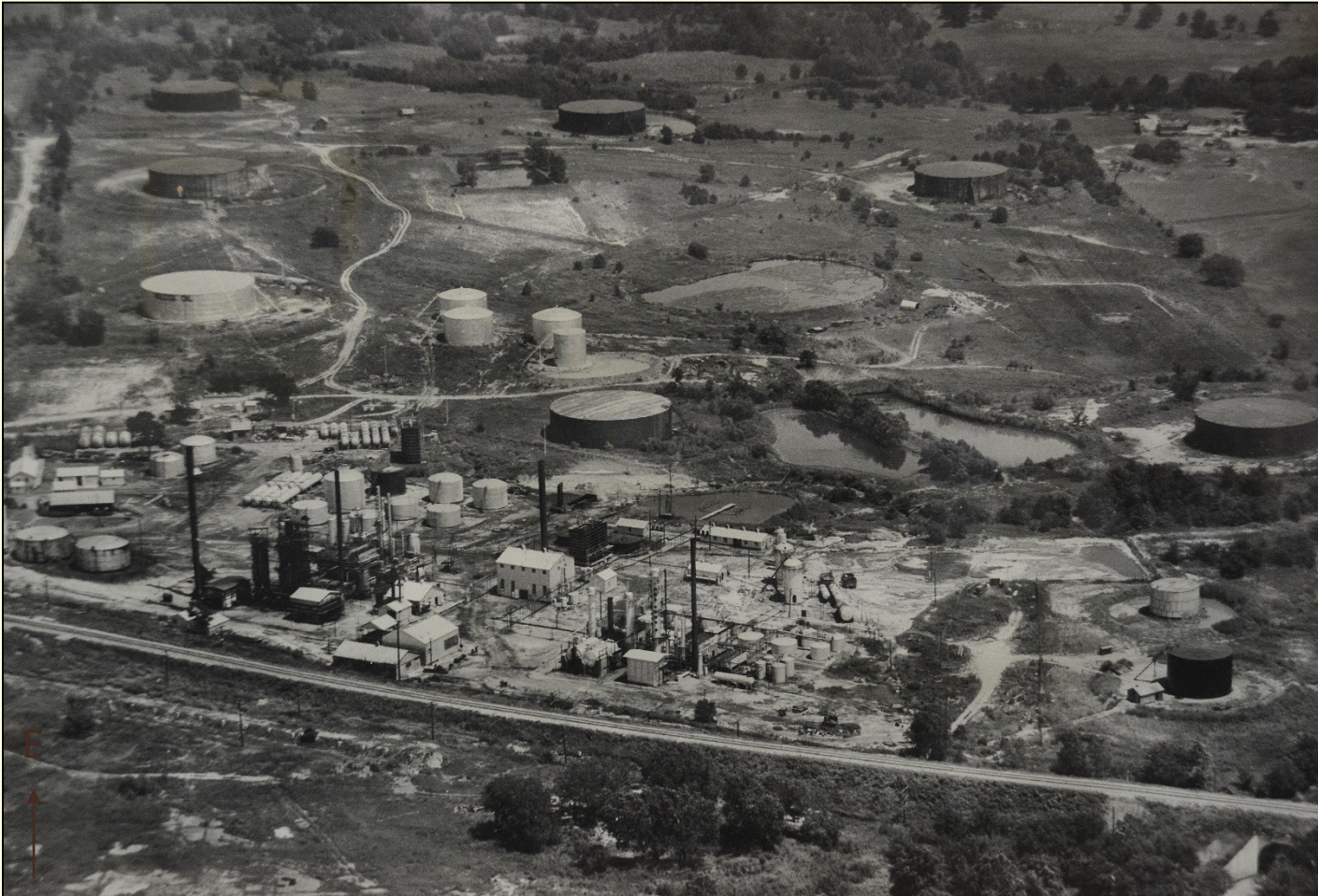
Site Background

Operation:
Oil Refinery

Activity Period:
1915 through 1963

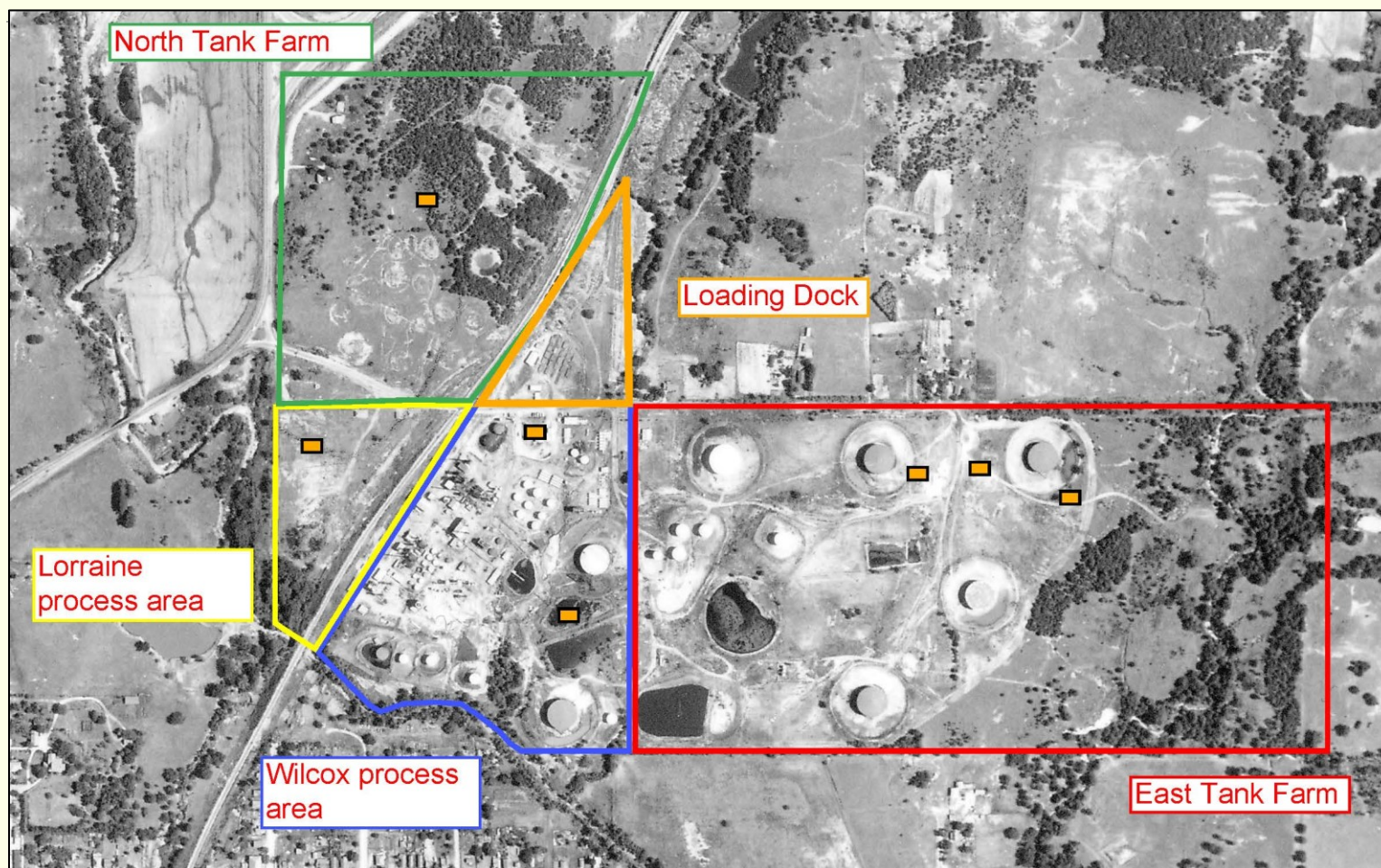
Size:
about 140 to 150
acres

Listed:
December 12, 2013

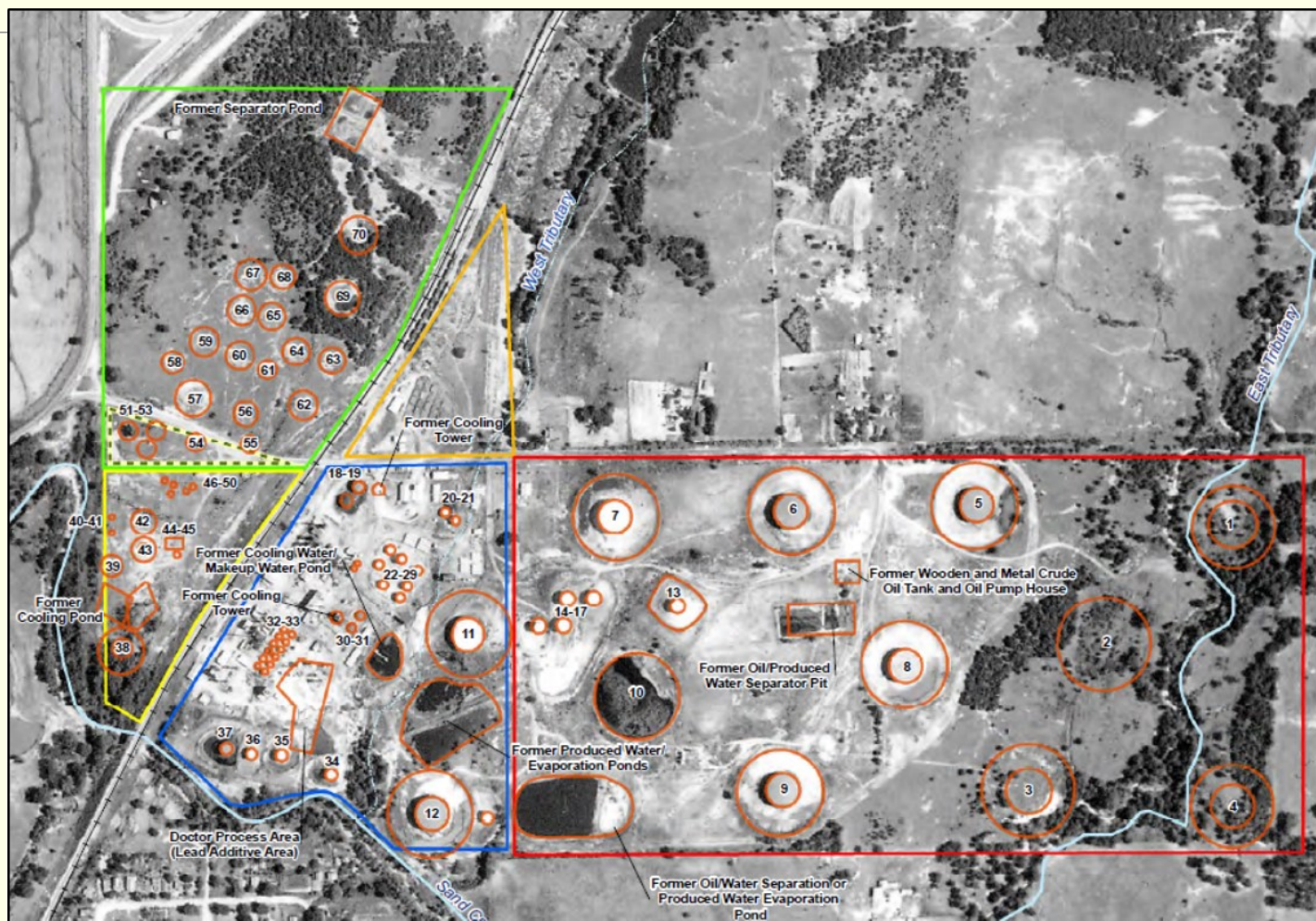


1950s Aerial Photograph

Site Remedial Investigation (RI)



Site Remedial Investigation (RI)



RI Field Work – Phase Approach

Phase 1 – Site Screen

Phase 2 – Data Collection over multiple field events

- Sources
- Soils
- Surface water
- Sediment
- Ground water
- Soil gas and indoor air

Source Identification

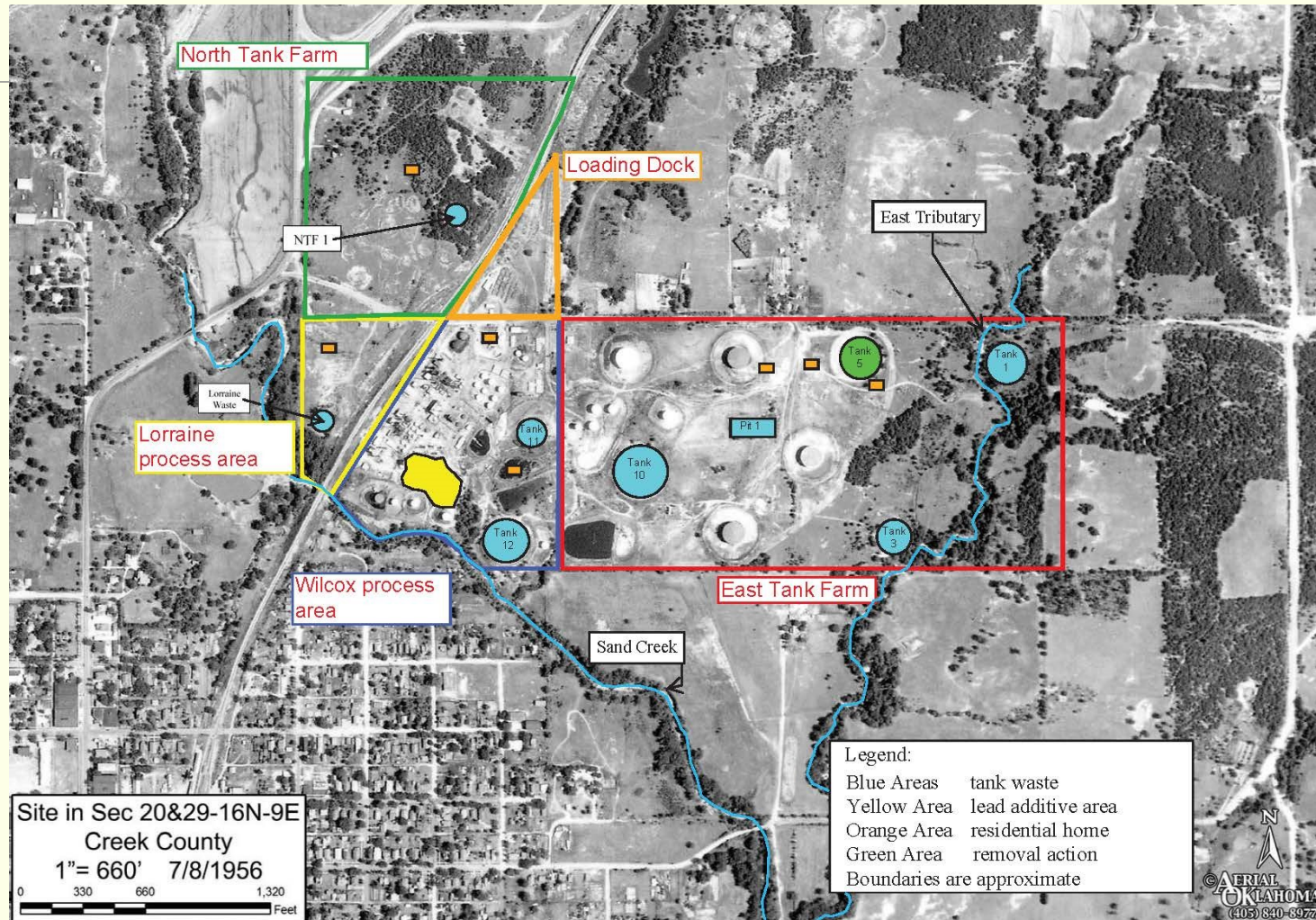
- Tank waste
- Lead Additive Area



Source Control Action

Tank Waste

Lead Additive Area



Alternatives Evaluated

No Action

Excavation and Offsite Disposal \$5,260,232

Excavation, Consolidation, Capping \$5,528,808

Source Material Health Based Target Levels ¹			
Contaminant	Data Results (mg/kg)	Health Based Target Level (mg/kg)	Health Based Target Level Basis
Lead	55,049	200 - 400	Protection of blood lead levels in children
Benzo(a)pyrene	12	0.11	Residential Cancer Screening Number at 10 ⁻⁶ Risk
1- Regional Human Health Medium Specific-Screening Tables, June 2017 mg/kg=milligram per kilogram			

Alternative Proposed

Excavation and Offsite Disposal

\$5,246,569

Areas of Remediation – Estimated Volume and Cost		
Area Name	Volume Estimated (cubic yards)	Estimated Cost
Lorraine Waste	952	\$170,914
Lead Additive Area	6,532	\$989,032
Tank 1	3,322	\$505,318
Tank 3	3,608	\$544,806
NTF-1	817	\$153,306
Tank 10	9,902	\$1,427,334
Tank 11	431	\$100,133
Tank 12	4,788	\$712,708
Pit 1	4,269	\$643,018
Total	34,621 (5.5 Acres)	\$5,246,569.00

* total cost of 5,260,232 includes cost of Five-year Review

Community Involvement

ODEQ Review and Input

February 2018

Tribal Review and Input

February 2018

- Consultation

Public Meeting

April 2018

Source Control ROD

May/June 2018